

FIG. 1

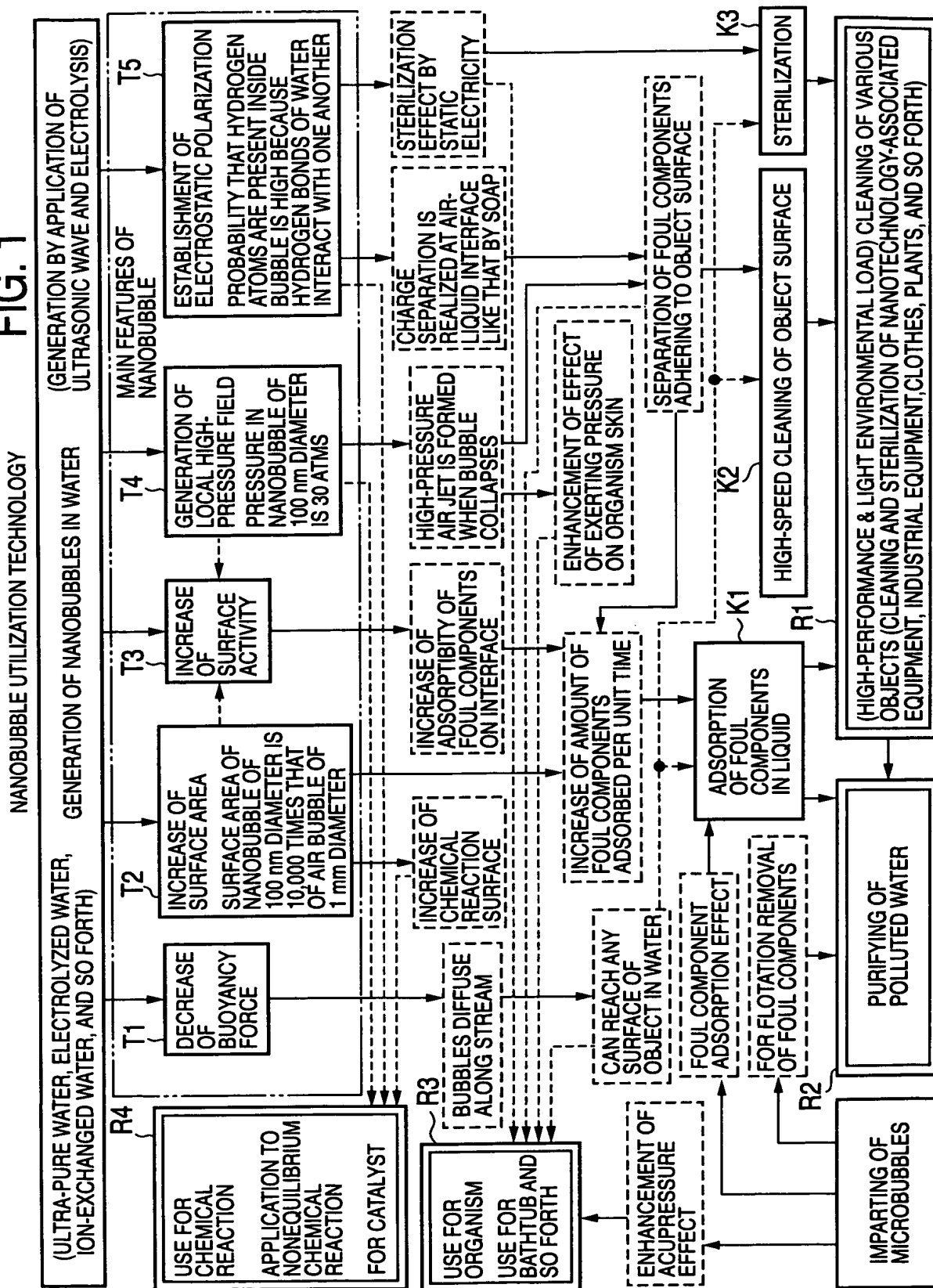
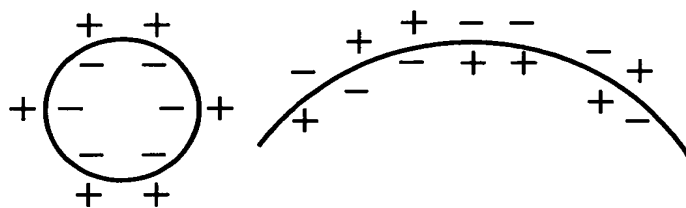




FIG. 2

ELECTROLYTIC SEPARATION PHENOMENON  
SIMILAR TO SOAP ON NANOBUBBLE SURFACE



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FIG. 3

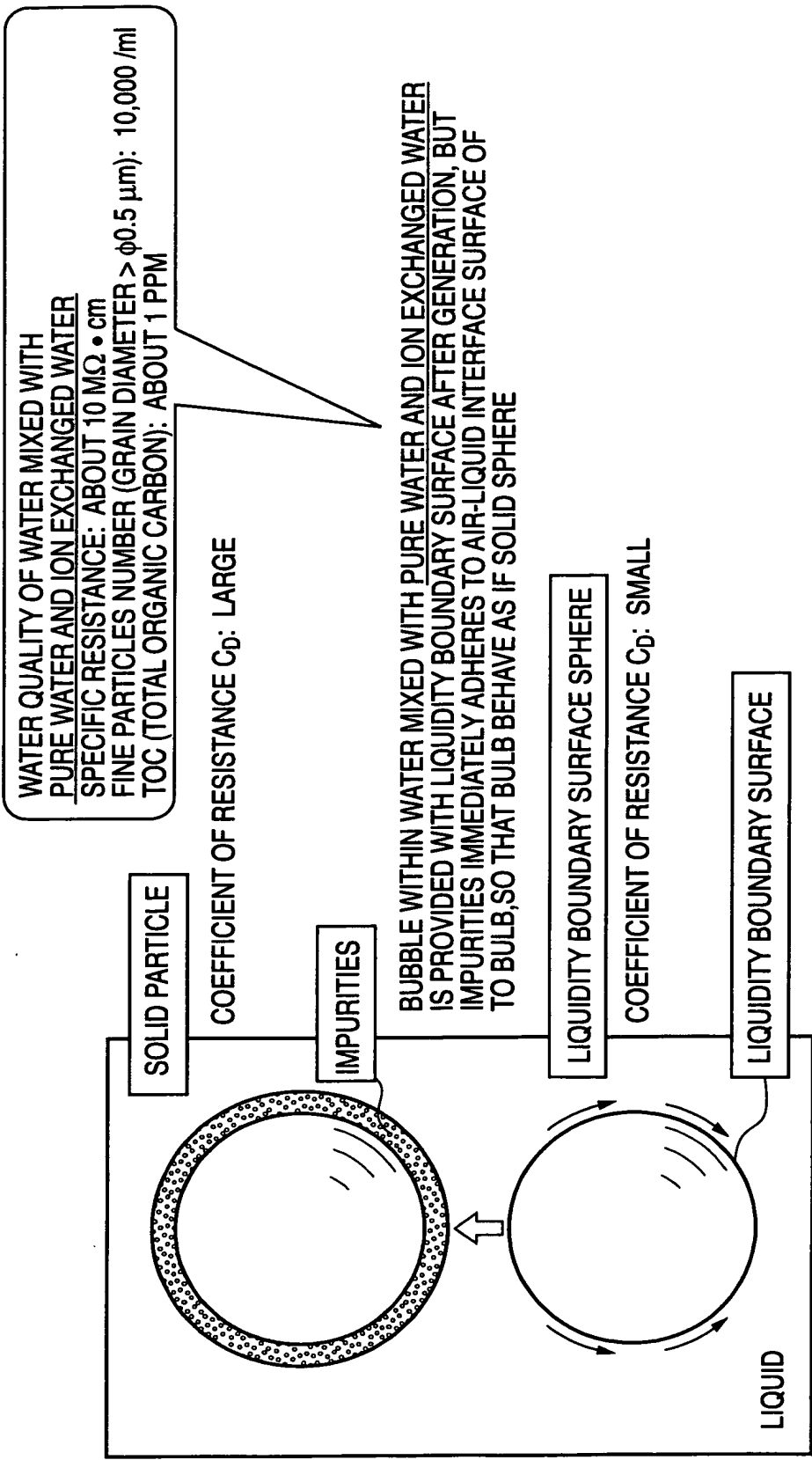




FIG. 4A

DEGREE OF POLLUTION OF WATER									
(i) WATER QUALITY OF PERIPHERY OF BUBBLE (ppb)									
		TOTAL ORGANIC CARBON							
		5	7	12	16	19	27	198	
NUMBER OF FINE PARTICLES WITHIN WATER (NUMBER/ML)	4					▽			
	11		◇	□			○		
	15					△			
	40	×			+			▼	
	320					▲			
(ii) GAS WITHIN BUBBLE									
	Air	N <sub>2</sub>	He	Purified N <sub>2</sub>					
	●	■	◆	▣					
NUMBER OF FINE PARTICLES=6/ml TOTAL ORGANIC CARBON (TOC)=6ppb									

FIG. 4B

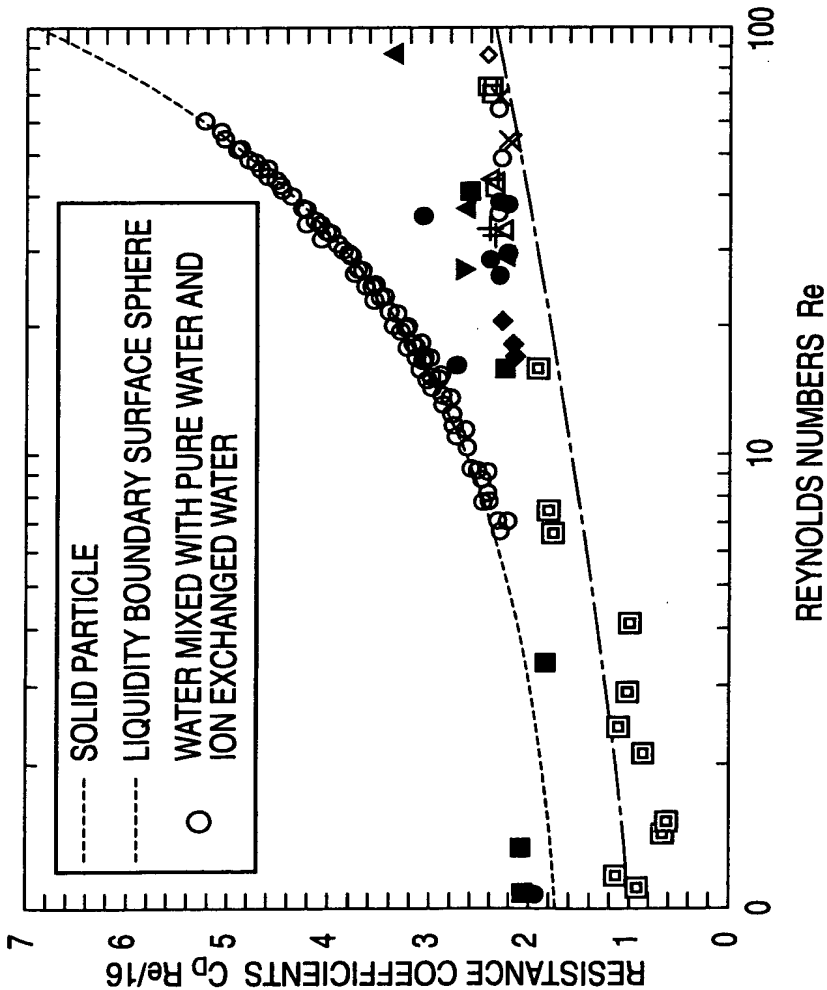


FIG. 5

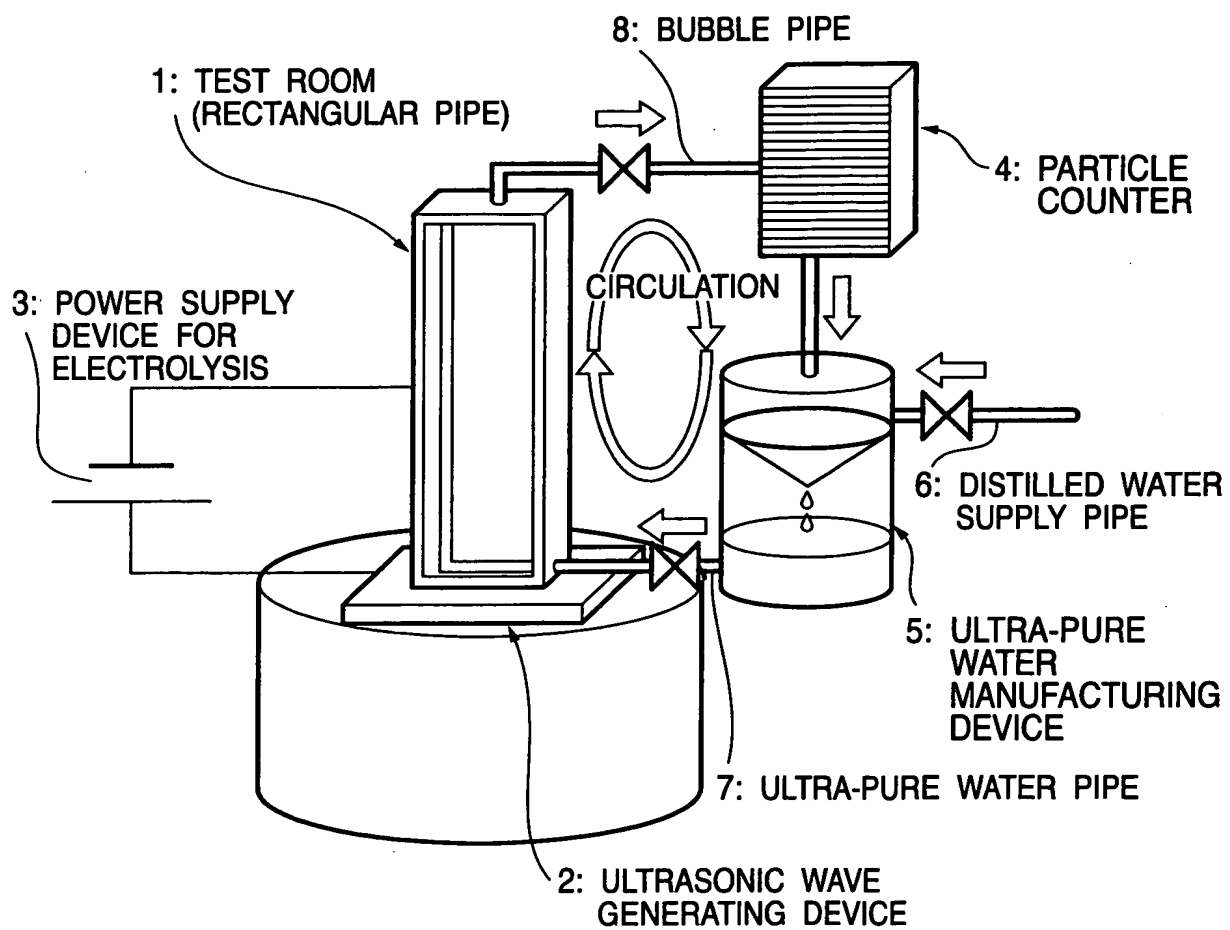
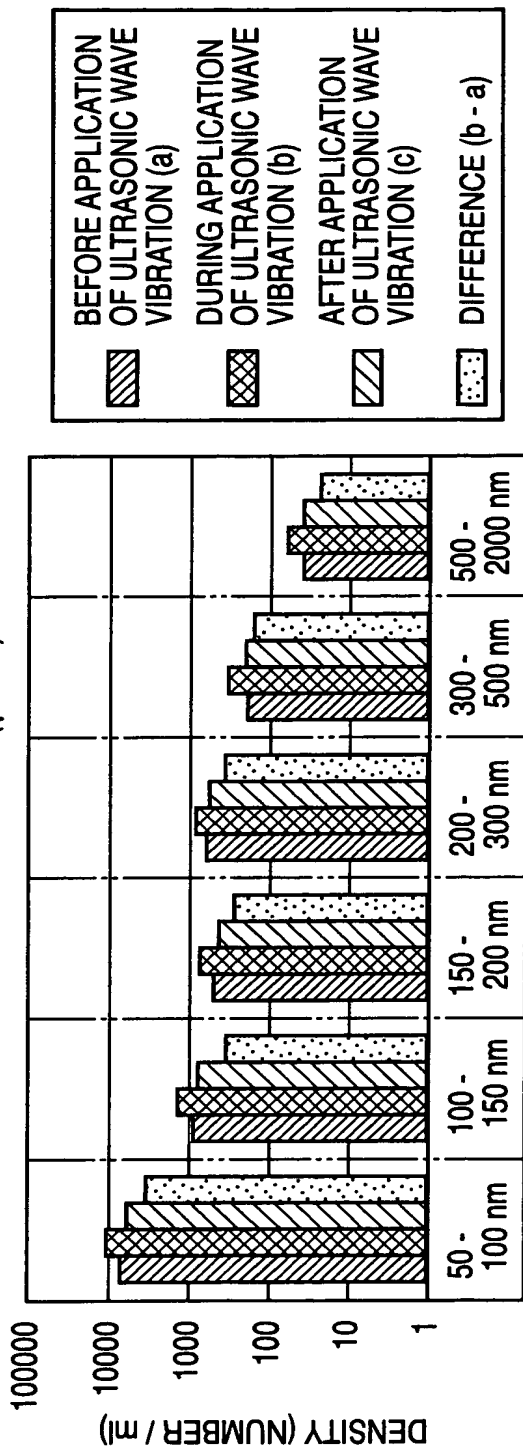


FIG. 6

DIFFERENCE OF DENSITIES OF BUBBLES BETWEEN BEFORE  
 APPLICATION OF ULTRASONIC WAVE VIBRATION AND  
 DURING APPLICATION THEREOF ( $\gamma = 2.0$ )



DIAMETER OF BUBBLE

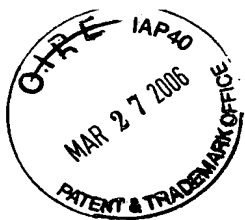


FIG. 7

DENSITY OF NANOBUBBLES GENERATED DURING  
APPLICATION OF ULTRASONIC WAVE

